SEQUENCE LISTING

<110> McCarthy, Jeannette Just

<120> COMPOSITIONS AND METHODS FOR THE IDENTIFICATION, ASSESSMENT, PREVENTION AND THERAPY OF CARDIOVASCULAR DISEASE

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<213> Homo sapiens

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Ser Asn Ile Asn Arg Lys Thr Ile Gly Ala Lys Gln Phe Arg Gly Pro
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Asp Pro Gly Val Pro Ala Tyr Arg Phe Val Arg Phe Asp Tyr Ile Pro
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    50                  55                  60
Pro Val Asn Ala Asp Asp Leu Ser Lys Ile Thr Lys Ile Met Arg Gln
65                  70                  75                  80
Lys Glu Gly Phe Phe Leu Thr Ala Gln Leu Lys Gln Asp Gly Lys Ser
                85                  90                  95
Arg Gly Thr Leu Leu Ala Leu Glu Gly Pro Gly Leu Ser Gln Arg Gln
            100                 105                 110
Phe Glu Ile Val Ser Asn Gly Pro Ala Asp Thr Leu Asp Leu Thr Tyr
        115                 120                 125
Trp Ile Asp Gly Thr Arg His Val Val Ser Leu Glu Asp Val Gly Leu
    130                 135                 140
Ala Asp Ser Gln Trp Lys Asn Val Thr Val Gln Val Ala Gly Glu Thr
145                 150                 155                 160
Tyr Ser Leu His Val Gly Cys Asp Leu Ile Gly Pro Val Ala Leu Asp
                165                 170                 175
Glu Pro Phe Tyr Glu His Leu Gln Ala Glu Lys Ser Arg Met Tyr Val
            180                 185                 190
Ala Lys Gly Ser Ala Arg Glu Ser His Phe Arg Gly Leu Leu Gln Asn
        195                 200                 205
Val His Leu Val Phe Glu Asn Ser Val Glu Asp Ile Leu Ser Lys Lys
    210                 215                 220
Gly Cys Gln Gln Gly Gln Gly Ala Glu Ile Asn Ala Ile Ser Glu Asn
225                 230                 235                 240
Thr Glu Thr Leu Arg Leu Gly Pro His Val Thr Thr Glu Tyr Val Gly
                245                 250                 255
Pro Ser Ser Glu Arg Arg Pro Glu Val Cys Glu Arg Ser Cys Glu Glu
            260                 265                 270
Leu Gly Asn Met Val Gln Glu Leu Ser Gly Leu His Val Leu Val Asn
        275                 280                 285
Gln Leu Ser Glu Asn Leu Lys Arg Val Ser Asn Asp Asn Gln Phe Leu
    290                 295                 300
Trp Glu Leu Ile Gly Gly Pro Pro Lys Thr Arg Asn Met Ser Ala Cys
305                 310                 315                 320
Trp Gln Asp Gly Arg Phe Phe Ala Glu Asn Glu Thr Trp Val Val Asp
                325                 330                 335
Ser Cys Thr Thr Cys Thr Cys Lys Lys Phe Lys Thr Ile Cys His Gln
            340                 345                 350
Ile Thr Cys Pro Pro Ala Thr Cys Ala Ser Pro Ser Phe Val Glu Gly
        355                 360                 365
Glu Cys Cys Pro Ser Cys Leu His Ser Val Asp Gly Glu Glu Gly Trp
    370                 375                 380
Ser Pro Trp Ala Glu Trp Thr Gln Cys Ser Val Thr Cys Gly Ser Gly
385                 390                 395                 400
Thr Gln Gln Arg Gly Arg Ser Cys Asp Val Thr Ser Asn Thr Cys Leu
                405                 410                 415
Gly Pro Ser Ile Gln Thr Arg Ala Cys Ser Leu Ser Lys Cys Asp Thr
            420                 425                 430
Arg Ile Arg Gln Asp Gly Gly Trp Ser His Trp Ser Pro Trp Ser Ser
        435                 440                 445
Cys Ser Val Thr Cys Gly Val Gly Asn Ile Thr Arg Ile Arg Leu Cys
    450                 455                 460
Asn Ser Pro Val Pro Gln Met Gly Gly Lys Asn Cys Lys Gly Ser Gly
465                 470                 475                 480
Arg Glu Thr Lys Ala Cys Gln Gly Ala Pro Cys Pro Ile Asp Gly Arg
                485                 490                 495
Trp Ser Pro Trp Ser Pro Trp Ser Ala Cys Thr Val Thr Cys Ala Gly
            500                 505                 510
Gly Ile Arg Glu Arg Thr Arg Val Cys Asn Ser Pro Glu Pro Gln Tyr
        515                 520                 525
Gly Gly Lys Ala Cys Val Gly Asp Val Gln Glu Arg Gln Met Cys Asn
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Lys Arg Ser Cys Pro Val Asp Gly Cys Leu Ser Asn Pro Cys Phe Pro
545                 550                 555                 560
Gly Ala Gln Cys Ser Ser Phe Pro Asp Gly Ser Trp Ser Cys Gly Phe
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Cys Pro Val Gly Phe Leu Gly Asn Gly Thr His Cys Glu Asp Leu Asp
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Arg Tyr Arg Gly Asn Gln Pro Val Gly Val Gly Leu Glu Ala Ala Lys
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Thr Glu Lys Gln Val Cys Glu Pro Glu Asn Pro Cys Lys Asp Lys Thr
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His Asn Cys His Lys His Ala Glu Cys Ile Tyr Leu Gly His Phe Ser
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Asp Pro Met Tyr Lys Cys Glu Cys Gln Thr Gly Tyr Ala Gly Asp Gly
        675                 680                 685
Leu Ile Cys Gly Glu Asp Ser Asp Leu Asp Gly Trp Pro Asn Leu Asn
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Leu Val Cys Ala Thr Asn Ala Thr Tyr His Cys Ile Lys Asp Asn Cys
705                 710                 715                 720
Pro His Leu Pro Asn Ser Gly Gln Glu Asp Phe Asp Lys Asp Gly Ile
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Gly Asp Ala Cys Asp Asp Asp Asp Asp Asn Asp Gly Val Thr Asp Glu
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Lys Asp Asn Cys Gln Leu Leu Phe Asn Pro Arg Gln Ala Asp Tyr Asp
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Lys Asp Glu Val Gly Asp Arg Cys Asp Asn Cys Pro Tyr Val His Asn
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Pro Ala Gln Ile Asp Thr Asp Asn Asn Gly Glu Gly Asp Ala Cys Ser
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Val Asp Ile Asp Gly Asp Asp Val Phe Asn Glu Arg Asp Asn Cys Pro
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Tyr Val Tyr Asn Thr Asp Gln Arg Asp Thr Asp Gly Asp Gly Val Gly
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Asp His Cys Asp Asn Cys Pro Leu Val His Asn Pro Asp Gln Thr Asp
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Val Asp Asn Asp Leu Val Gly Asp Gln Cys Asp Asn Asn Glu Asp Ile
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Asp Asp Asp Gly His Gln Asn Asn Gln Asp Asn Cys Pro Tyr Ile Ser
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Asn Ala Asn Gln Ala Asp His Asp Arg Asp Gly Gln Gly Asp Ala Cys
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Asp Pro Asp Asp Asp Asn Asp Gly Val Pro Asp Asp Arg Asp Asn Cys
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Arg Leu Val Phe Asn Pro Asp Gln Glu Asp Leu Asp Gly Asp Gly Arg
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Gly Asp Ile Cys Lys Asp Asp Phe Asp Asn Asp Asn Ile Pro Asp Ile
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Asp Asp Val Cys Pro Glu Asn Asn Ala Ile Ser Glu Thr Asp Phe Arg
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Asn Phe Gln Met Val Pro Leu Asp Pro Lys Gly Thr Thr Gln Ile Asp
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Pro Asn Trp Val Ile Arg His Gln Gly Lys Glu Leu Val Gln Thr Ala
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Asn Ser Asp Pro Gly Ile Ala Val Gly Phe Asp Glu Phe Gly Ser Val
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Asp Phe Ser Gly Thr Phe Tyr Val Asn Thr Asp Arg Asp Asp Asp Tyr
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Ala Gly Phe Val Phe Gly Tyr Gln Ser Ser Ser Arg Phe Tyr Val Val
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Met Trp Lys Gln Val Thr Gln Thr Tyr Trp Glu Asp Gln Pro Thr Arg
                1045                1050                1055
Ala Tyr Gly Tyr Ser Gly Val Ser Leu Lys Val Val Asn Ser Thr Thr
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Gly Thr Gly Glu His Leu Arg Asn Ala Leu Trp His Thr Gly Asn Thr
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Pro Gly Gln Val Arg Thr Leu Trp His Asp Pro Arg Asn Ile Gly Trp
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Lys Asp Tyr Thr Ala Tyr Arg Trp His Leu Thr His Arg Pro Lys Thr
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35 40 45
Val Leu Thr Asp Pro Ala Leu Asn Asp Leu Tyr Val Ile Ser Thr Phe
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Lys Leu Gln Thr Lys Ser Ser Ala Thr Ile Phe Gly Leu Tyr Ser Ser
65 70 75 80
Thr Asp Asn Ser Lys Tyr Phe Glu Phe Thr Val Met Gly Arg Leu Ser
85 90 95
Lys Ala Ile Leu Arg Tyr Leu Lys Asn Asp Gly Lys Val His Leu Val
100 105 110
Val Phe Asn Asn Leu Gln Leu Ala Asp Gly Arg Arg His Arg Ile Leu
115 120 125
Leu Arg Leu Ser Asn Leu Gln Arg Gly Ala Gly Ser Leu Glu Leu Tyr
130 135 140
Leu Asp Cys Ile Gln Val Asp Ser Val His Asn Leu Pro Arg Ala Phe
145 150 155 160
Ala Gly Pro Ser Gln Lys Pro Glu Thr Ile Glu Leu Arg Thr Phe Gln
165 170 175
Arg Lys Pro Gln Asp Phe Leu Glu Glu Leu Lys Leu Val Val Arg Gly
180 185 190
Ser Leu Phe Gln Val Ala Ser Leu Gln Asp Cys Phe Leu Gln Gln Ser
195 200 205
Glu Pro Leu Ala Ala Thr Gly Thr Gly Asp Phe Asn Arg Gln Phe Leu
210 215 220
Gly Gln Met Thr Gln Leu Asn Gln Leu Leu Gly Glu Val Lys Asp Leu
225 230 235 240
Leu Arg Gln Gln Val Lys Glu Thr Ser Phe Leu Arg Asn Thr Ile Ala
245 250 255
Glu Cys Gln Ala Cys Gly Pro Leu Lys Phe Gln Ser Pro Thr Pro Ser
260 265 270
Thr Val Val Ala Pro Ala Pro Pro Ala Pro Pro Thr Arg Pro Pro Arg
275 280 285
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290 295 300
Arg Asp Gly Phe Gln Cys Gly Pro Cys Pro Glu Gly Tyr Thr Gly Asn
305 310 315 320
Gly Ile Thr Cys Ile Asp Val Asp Glu Cys Lys Tyr His Pro Cys Tyr
325 330 335
Pro Gly Val His Cys Ile Asn Leu Ser Pro Gly Phe Arg Cys Asp Ala
340 345 350
Cys Pro Val Gly Phe Thr Gly Pro Met Val Gln Gly Val Gly Ile Ser
355 360 365
Phe Ala Lys Ser Asn Lys Gln Val Cys Thr Asp Ile Asp Glu Cys Arg
370 375 380
Asn Gly Ala Cys Val Pro Asn Ser Ile Cys Val Asn Thr Leu Gly Ser
385 390 395 400
Tyr Arg Cys Gly Pro Cys Lys Pro Gly Tyr Thr Gly Asp Gln Ile Arg
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Gly Cys Lys Val Glu Arg Asn Cys Arg Asn Pro Glu Leu Asn Pro Cys
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Ser Val Asn Ala Gln Cys Ile Glu Glu Arg Gln Gly Asp Val Thr Cys
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Asp Ala Asp Arg Asp Gly Ile Gly Asp Ala Cys Asp Glu Asp Ala Asp
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Gly Asp Gly Ile Leu Asn Glu Gln Asp Asn Cys Val Leu Ile His Asn
        515                 520                 525
Val Asp Gln Arg Asn Ser Asp Lys Asp Ile Phe Gly Asp Ala Cys Asp
    530                 535                 540
Asn Cys Leu Ser Val Leu Asn Asn Asp Gln Lys Asp Thr Asp Gly Asp
545                 550                 555                 560
Gly Arg Gly Asp Ala Cys Asp Asp Asp Met Asp Gly Asp Gly Ile Lys
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Asn Ile Leu Asp Asn Cys Pro Lys Phe Pro Asn Arg Asp Gln Arg Asp
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Lys Asp Gly Asp Gly Val Gly Asp Ala Cys Asp Ser Cys Pro Asp Val
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Ser Asn Pro Asn Gln Ser Asp Val Asp Asn Asp Leu Val Gly Asp Ser
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Cys Asp Thr Asn Gln Asp Ser Asp Gly Asp Gly His Gln Asp Ser Thr
625                 630                 635                 640
Asp Asn Cys Pro Thr Val Ile Asn Ser Ala Gln Leu Asp Thr Asp Lys
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Asp Gly Ile Gly Asp Glu Cys Asp Asp Asp Asp Asp Asn Asp Gly Ile
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Pro Asp Leu Val Pro Pro Gly Pro Asp Asn Cys Arg Leu Val Pro Asn
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Pro Ala Gln Glu Asp Ser Asn Ser Asp Gly Val Gly Asp Ile Cys Glu
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Ser Asp Phe Asp Gln Asp Gln Val Ile Asp Arg Ile Asp Val Cys Pro
705                 710                 715                 720
Glu Asn Ala Glu Val Thr Leu Thr Asp Phe Arg Ala Tyr Gln Thr Val
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Gly Leu Asp Pro Glu Gly Asp Ala Gln Ile Asp Pro Asn Trp Val Val
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Leu Asn Gln Gly Met Glu Ile Val Gln Thr Met Asn Ser Asp Pro Gly
        755                 760                 765
Leu Ala Val Gly Tyr Thr Ala Phe Asn Gly Val Asp Phe Glu Gly Thr
    770                 775                 780
Phe His Val Asn Thr Gln Thr Asp Asp Asp Tyr Ala Gly Phe Ile Phe
785                 790                 795                 800
Gly Tyr Gln Asp Ser Ser Ser Phe Tyr Val Val Met Trp Lys Gln Thr
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Glu Gln Thr Tyr Trp Gln Ala Thr Pro Phe Arg Ala Val Ala Glu Pro
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Gly Ile Gln Leu Lys Ala Val Lys Ser Lys Thr Gly Pro Gly Glu His
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    850                 855                 860
Leu Leu Trp Lys Asp Ser Arg Asn Val Gly Trp Lys Asp Lys Val Ser
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Tyr Arg Trp Phe Leu Gln His Arg Pro Gln Val Gly Tyr Ile Arg Val
                885                 890                 895
Arg Phe Tyr Glu Gly Ser Glu Leu Val Ala Asp Ser Gly Val Thr Ile
            900                 905                 910
Asp Thr Thr Met Arg Gly Gly Arg Leu Gly Val Phe Cys Phe Ser Gln
        915                 920                 925
Glu Asn Ile Ile Trp Ser Asn Leu Lys Tyr Arg Cys Asn Asp Thr Ile
    930                 935                 940
Pro Glu Asp Phe Gln Glu Phe Gln Thr Gln Asn Phe Asp Arg Phe Asp
945                 950                 955                 960
Asn
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